

average as 1 in 940 cases, which is an immense difference, the former seems to be more in accordance with my own experience.

St. Martin, Isle Jesus, Dec. 7, 1847.

ART. XXXII.—OBSERVATIONS ON METEOROLOGY.

By Mr. JUSTICE M'CORD.

Although no longer able to devote my attention to meteorological observations, I cannot but rejoice on observing the great degree of exactness bestowed on that branch of science by the contributors to your valuable Journal. In a short time we will be possessed of a continued series of observations, which will determine the actual mean temperature of the climate of this Province, and its maxima and minima.

This will be the first step towards the solution of that interesting question, whether our climate has changed since the first settlement of the country, and if so, in what degree? The result of my own observations led me to believe that the mean temperature had not altered materially, but that the extremes had; that is, that we are no longer exposed to such intense and continued periods of heat and cold. The truth or fallacy of this opinion can alone be tested by time and observation. With a view of facilitating this inquiry, and in hopes that others may follow my example, I have now the pleasure of placing before you and those interested in this investigation, a few tables, showing the maxima and minima of the past, partly derived from MSS. in my possession, and partly extracted from public journals. On some future occasion, should you think proper, I will send you some other tables bearing on this subject. When personally engaged in these researches, I was much disappointed on finding how very few observations, or even memoranda, were extant, on which reliance could be placed. Of those now sent you, tables 1 and 2 may be especially relied on; they are carefully compiled by me from the journals kept by the late René Boileau, Sen., Esq., of Chambly, a gentleman who devoted much attention, during a long life, to the study of Natural History, and particularly to climate. Table No. 3, is extracted from the *Quebec Herald* of 1790, now a very scarce work.

TABLE 1,

Showing the greatest Heat and Cold at the Basin of Chambly, in the District of Montreal, from Tables kept by the late René Boileau, Sen., Esquire.

Month.	1820.		1821.		1822.		1823.		1824.		1825.		1826.	
	Greatest Heat.	Greatest Cold.	Greatest Heat.	Greatest Cold.	Greatest Heat.	Greatest Cold.	Greatest Heat.	Greatest Cold.	Greatest Heat.	Greatest Cold.	Greatest Heat.	Greatest Cold.	Greatest Heat.	Greatest Cold.
January,	27.50	-15.00	48.25	-20.87	42.12	-35.95	45.50	-26.50	42.50	-10.75	42.50	-17.50	48.65	-22.56
February,	47.75	-28.75	45.50	7.25	45.50	-11.50	44.75	-20.87	51.50	-10.75	47.75	-10.75	42.12	-27.62
March,	59.60	-11.87	48.25	7.00	59.75	-10.62	55.25	-11.25	55.25	-2.87	53.37	9.50	61.25	-10.60
April,	72.50	+12.87	68.00	+20.75	74.43	+20.75	69.93	+22.73	72.50	+27.62	75.50	26.60	73.62	+15.50
May,	74.60	+54.50	79.25	+30.00	81.50	+49.50	84.87	+41.90	82.62	+42.93	83.43	39.75	90.50	+35.25
June,	89.60	+59.50	87.12	+63.18	84.00	+65.75	86.35	+59.00	89.12	+60.50	89.12	68.00	86.00	+68.25
July,	90.50	+70.25	86.56	+62.00	89.37	+66.87	88.25	+69.35	81.50	+68.90	89.50	70.25	91.62	+73.40
August,	86.00	+65.00	88.25	+54.60	88.81	+66.50	84.20	+67.68	79.25	+65.75	85.10	70.25	90.50	+67.25
September,	90.00	+29.75	80.00	+31.12	79.25	+50.90	81.18	+29.75	80.37	+44.95	81.18	54.00	83.75	+49.25
October,	77.00	+24.75	67.68	+24.12	68.00	+25.25	73.62	+26.37	65.75	+25.25	73.62	54.00	74.75	+27.50
November,	54.50	+ 8.37	52.15	- 5.00	53.37	+16.25	54.18	+11.75	43.81	+16.25	63.60	45.35	58.75	+13.00
December,	40.00	-22.00	41.56	-19.00	45.50	- 1.40	45.50	- 6.25	44.15	- 1.62	46.62	-12.68	54.50	+16.00

TABLE 2,

Shewing the Days on which the Maxima and Minima occurred, extracted from Mr. Boileau's Tables, Chambly.

Year.	Day.	Max.	Day.	Min.
1820	4th July,	90.50	2d February,	-28.75
1821	14th August,	88.25	24th January,	-20.87
1822	2d July,	89.37	5th January,	-35.95
1823	{ 5th July,	88.25	7th January,	-26.50
	{ 10th July,			
1824	19th June,	89.12	5th February,	-23.12
1825	11th July,	92.50	30th January,	-17.50
1826	12th July,	91.61	1st February,	-27.62